

Management monitoring of montane meadows in the Krkonoše Mnt.



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SCI Krkonoše CZ CZ0521009

Area: 41 000 ha
Region: continental, Hercynian mountain ranges
Altitude: 415 - 1605 m

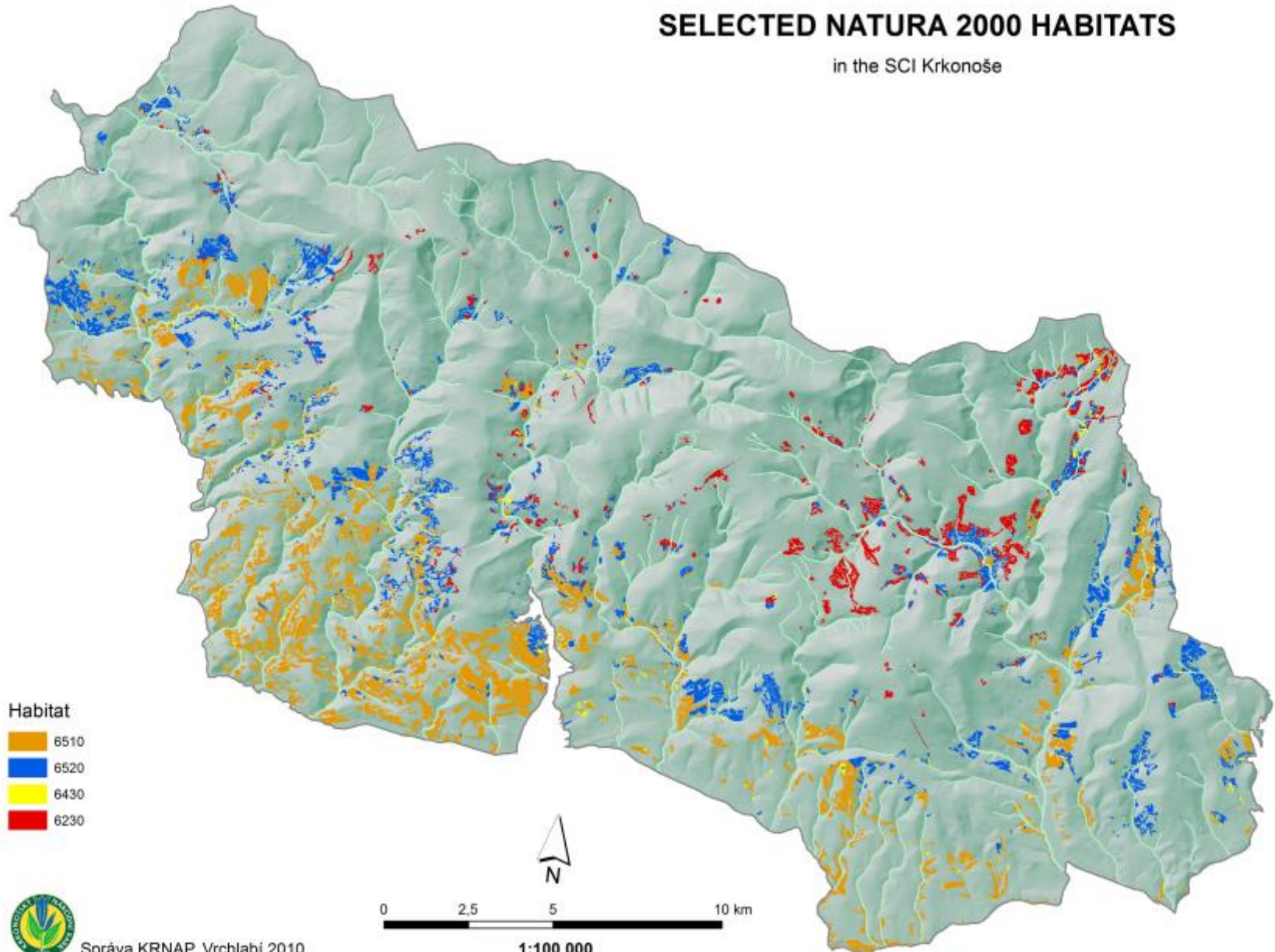
Grasslands: 10 000 ha
Species rich grasslands: 5 000 ha
Depends on management: 3 400 ha

Project measures cca: 500 ha

NP, SPA

SELECTED NATURA 2000 HABITATS

in the SCI Krkonoše

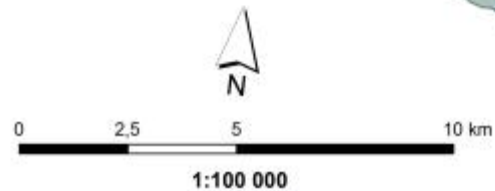


Habitat

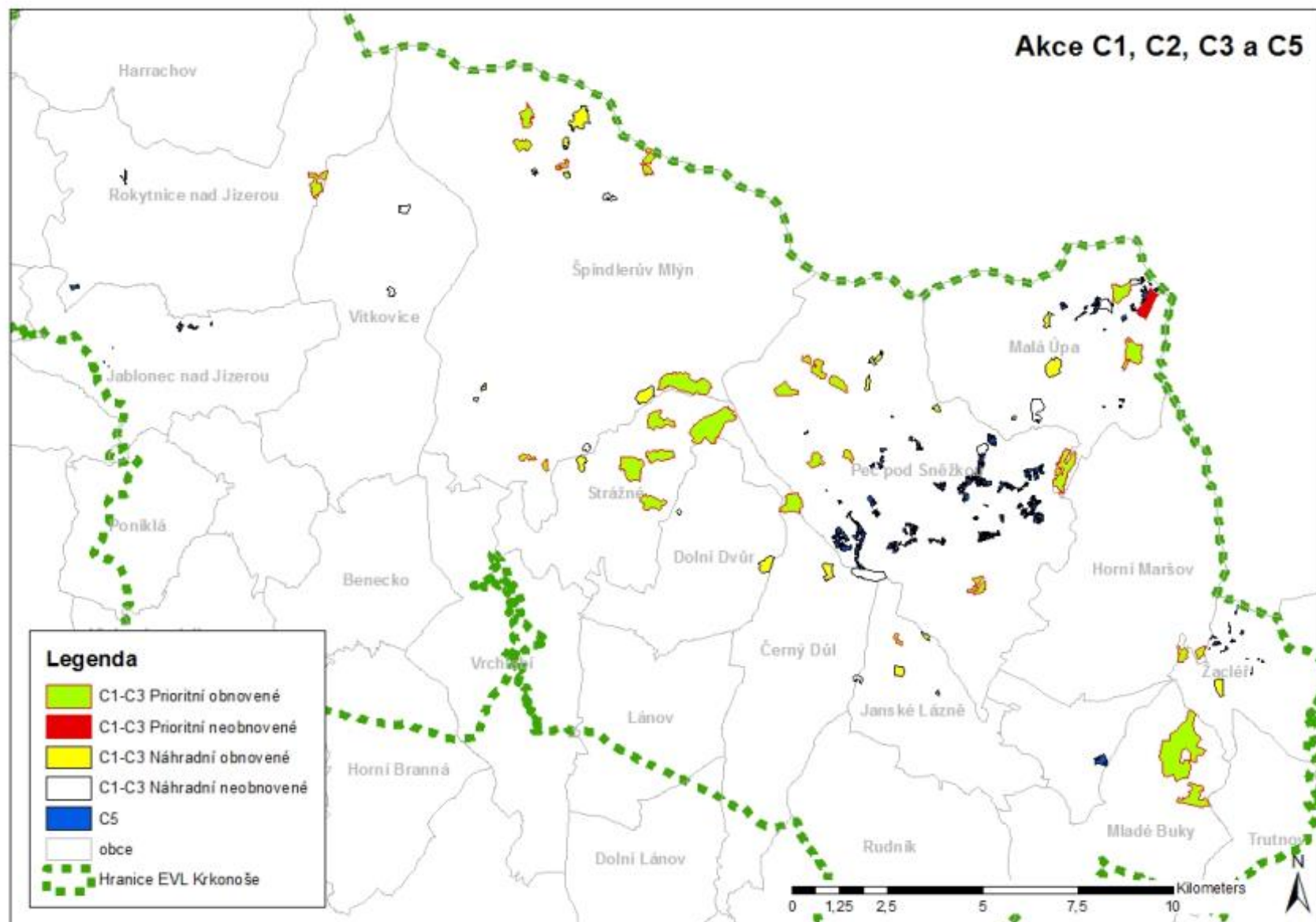
-  6510
-  6520
-  6430
-  6230



Správa KRNAP, Vrchlabí 2010



1:100 000



habitat	restoration	invasion	expansion	water
6230	x	x	x	x
6510	x			
6520	x	x		x

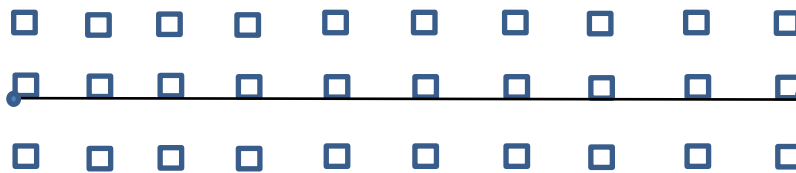
5 replications for each management x habitat type
site specific indicators

objective	management	indicator
to restore structure	mowing or grazing	group of typical species; negative indicators; cover of dominants
to irradicate nonatives	chemical and/or extra mowing	frequecy of nonatives
to supres expansives	extra mowing	cover of expansives

Monitoring plot



start point of the transect
(its position marked by steel labels, captured by accurate GPS devices and captured by camera)



end point of the transect (its position marked similarly to start point)



0,5 m

Setting of the site specific indicators = “Cliving”

5-10 subplots in subjectively favourable part

5-10 subplots in subjectively unfavourable part

species	freqFA	-freqUN	score	indicator
ts1	5	-1	4	N
ts2	10	-3	7	Y
ts3	5	-6	-1	N
Rumex	0	-8	-8	Y

Minimal number of positive indicators found in the set of 10 subplots in subjectively favourable part matters.

Označení plochy: CBA
Datum: 7/7/14
Enkláva: Černá boada
Mapovatel: ZH
Habitat: 6230 + Borůvka

Mnmgmt cíl:

- ① potlačit exp. borůvkou
- ② zvýšit vyrov. typ. druhů 6230

Další objekty ochrany:

Druh (latinsky!)	reprezentativní					degradované					skore R-D	indikátory		
	1	2	3	4	5	6	7	8	9	10		pozitivní	negativní	upřesnění
x Anthoxanthum od	/	/	/	/	/						5	✓		
x Avenela	/	/	/	/	/						1			
Vaccinium myrt.						90	80	70	90	90	-4		✓	> 30%
x Calamagrostis vil.	/	/	/	/	/						3			
x Homogyne alpina	/	/	/	/	/						1			
Trisetalis euro.	/	/	/	/	/						-1			
Rumex acet.	/	/	/	/	/						5	✓		
Potentilla aurea	/	/	/	/	/						5	✓		
x Deschampsia cesp.	/	/	/	/	/						5	✓		
x Carex nigra	/	/	/	/	/						2			
Melanopyrum prat.	/	/	/	/	/						0			
Silene vulg.	/	/	/	/	/						2	✓		
x Distorta major	/	/	/	/	/						1			
x Agrostis capil.	/	/	/	/	/						2			
Ranunculus aer.	/	/	/	/	/						1			
x Achillea mille.	/	/	/	/	/						1			
Oxalis acet.	/	/	/	/	/						1			
Maianthemum bifo.	/	/	/	/	/						-3		✓	

status favourable in case of:

grasses < 50% AND

VaccMyrt < 30% AND

NOT MaiaBifo AND

minimally three from the positive indicators

AnthOdor, DescCesp, PoteAure, RumeAcet and
SileVulg occur.

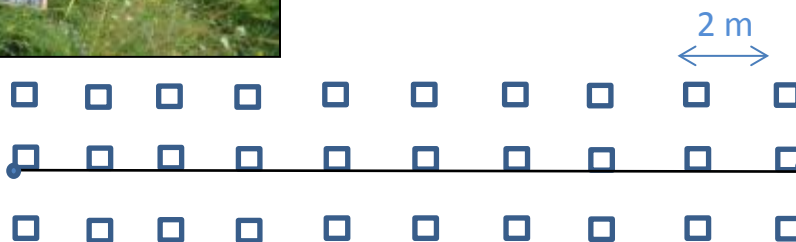




Monitoring plot



start point of the transect
(its position marked by steel labels, captured by accurate GPS devices and captured by camera)



end point of the transect (its position marked similarly to start point)



0,5 m

Monitoring form



KLINOVKY
KBN - 184887
22.7.14
KBD - 1st round

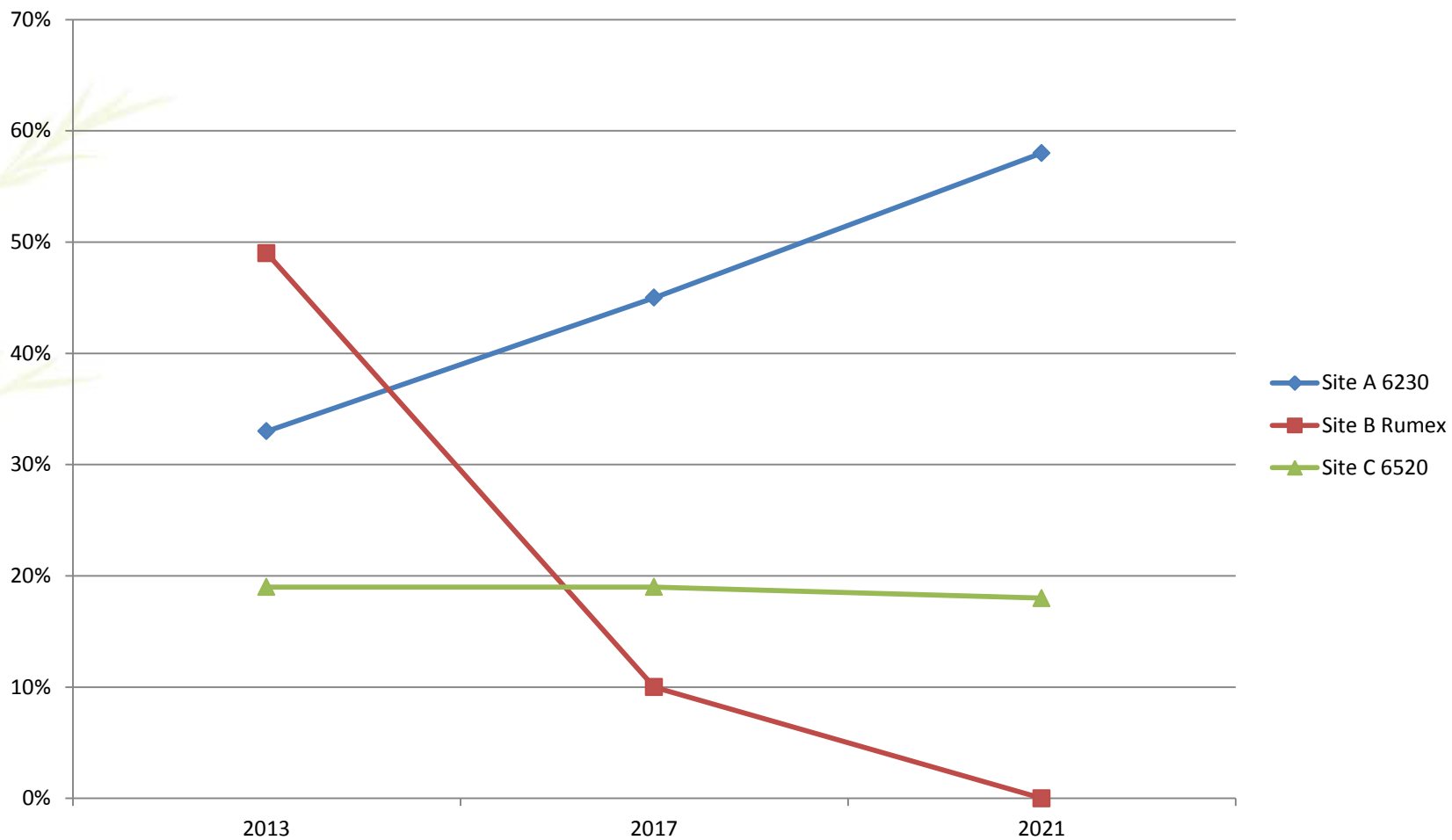
	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
AGROTIS	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ANTHUS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
FESTUCA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DICHL. COEP.	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STYLLIS PAB.																										
COCC. COV.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
POTENT. BRACH.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
POTENT. ALBA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAMP. BOHEM.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
COFFICINA f.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PROCTA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HYPERICUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ACRIS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SCABIO F.	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HIERACIUM	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LUZULA LUT.	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VERONICA	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RAMUNC. RHOD.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HAMOGING	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TURBID. ALP.	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LEONTODON	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SILV. VIL.	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SCIRPO VIL.	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DEUT. DAG.																										
EDMBA ALP.																										
PSA. CANAD.																										
MECINUM MIE.																										
COEN. BOSTL.																										
HECATA																										
STYLLIS																										
CAN. ACC.																										
CER. SILV.																										
ACHILLE																										
HIERACIUM																										
LUZULA SOD.																										
PROCTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROCTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROCTA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

presence and absence of locality-specific and habitat-specific indicator plant species in individual quadrats

final outcome of the monitoring: evaluation of vegetation in individual quadrats (vegetation in good and bad conditions marked by circles and crosses respectively)

33% subplots in favourable conservation status



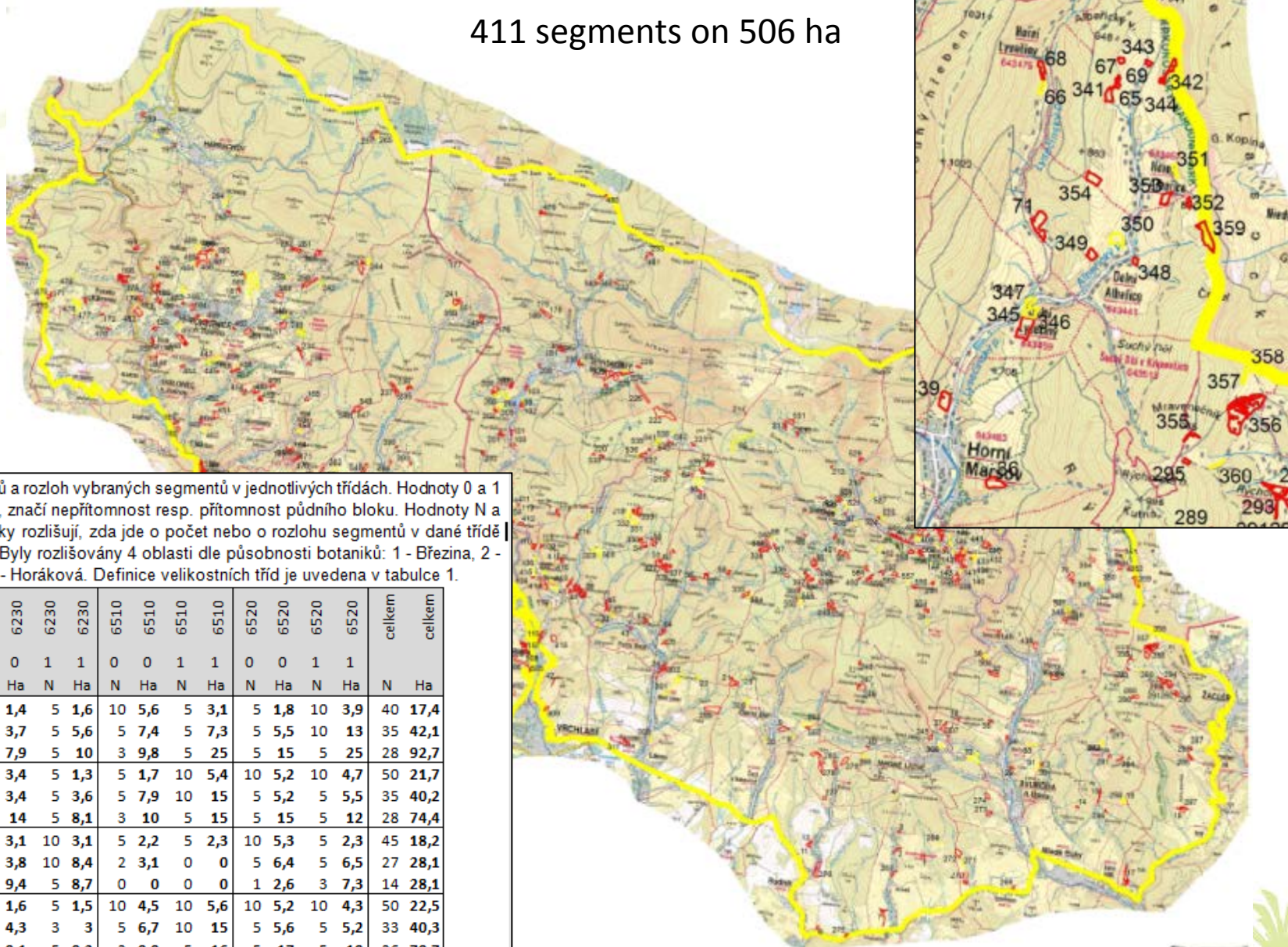


Monitoring the use of grasslands during LIFE CORCONTICA



The stratified selection

411 segments on 506 ha



Tabulka 2. Přehled počtů a rozloh vybraných segmentů v jednotlivých třídách. Hodnoty 0 a 1 v druhém řádku hlavičky, značí nepřítomnost resp. přítomnost půdního bloku. Hodnoty N a Ha v třetím řádku hlavičky rozlišují, zda jde o počet nebo o rozlohu segmentů v dané třídě stratifikovaného výběru. Byly rozlišovány 4 oblasti dle působnosti botaniků: 1 - Březina, 2 - Štátná, 3 - Harčarik, 4 - Horáková. Definice velikostních tříd je uvedena v tabulce 1.

oblast	velikostní třída	6230		6230		6510		6510		6520		6520		celkem		celkem
		0	1	0	1	0	1	0	1	0	1	N	Ha	N	Ha	
		N	Ha	N	Ha	N	Ha	N	Ha	N	Ha	N	Ha	N	Ha	
1	1	5	1,4	5	1,6	10	5,6	5	3,1	5	1,8	10	3,9	40	17,4	
1	2	5	3,7	5	5,6	5	7,4	5	7,3	5	5,5	10	13	35	42,1	
1	3	5	7,9	5	10	3	9,8	5	25	5	15	5	25	28	92,7	
2	1	10	3,4	5	1,3	5	1,7	10	5,4	10	5,2	10	4,7	50	21,7	
2	2	5	3,4	5	3,6	5	7,9	10	15	5	5,2	5	5,5	35	40,2	
2	3	5	14	5	8,1	3	10	5	15	5	15	5	12	28	74,4	
3	1	10	3,1	10	3,1	5	2,2	5	2,3	10	5,3	5	2,3	45	18,2	
3	2	5	3,8	10	8,4	2	3,1	0	0	5	6,4	5	6,5	27	28,1	
3	3	5	9,4	5	8,7	0	0	0	0	1	2,6	3	7,3	14	28,1	
4	1	5	1,6	5	1,5	10	4,5	10	5,6	10	5,2	10	4,3	50	22,5	
4	2	5	4,3	3	3	5	6,7	10	15	5	5,6	5	5,2	33	40,3	
4	3	3	9,1	5	9,2	3	9,9	5	16	5	17	5	19	26	79,7	
Celkem		68	65	68	64	56	69	70	110	71	90	78	108	411	506	

KRKONOŠSKÉ FARMÁŘSKÉ STEZKY

Domů

Louky

Stezky

Farmáři

Galerie

Kontakt

Arníková stezka

Hořcová stezka

Orchidejová stezka

Smilková stezka

400 let ŽIVÉ!

objevte život krkonošských luk

VÍCE

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Ministerstvo životního prostředí

